

COMPAT CORPORATION
177 Cantique Peak Road
Westbury, New York 11590

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COMPAT CORPORATION

177 Cantlague Rock Road
Westbury, N.Y. 11590

Attention: W. Craig Meyer

Here is the information you requested. We hope you will find it useful and interesting. Just complete the card attached to this note and we will be happy to supply more specific data regarding our systems.

Thank you for your interest in Compat.

W. Craig Meyer
Marketing Manager

COMPAT  **CORPORATION**

COMPAT **CORPORATION**

177 Cantigue Rock Road, Westbury, New York 11590
(516) 822-1320 TWX 510-221-2821

**PRICE
LIST**88-03 - DATA TERMINAL

	<u>PURCHASE PRICE</u>	<u>MONTHLY CHARGE</u> (Tyr. Tease includes service)
88-03 Data Terminal	\$4,200.00	\$ 125.00

OPTIONS

	<u>ADD TO PURCHASE PRICE</u>	<u>ADD TO MONTHLY CHARGE</u>
15" Platen	\$ 320.00	\$ 12.50
Pin Feed Platen	\$ 85.00	\$ 5.00

PRICE LIST P. L. 101 A

EFFECTIVE 3/27/70

Consult factory for quantity purchase prices.

This price list supersedes P. L. 101 and all other prices previously released and is subject to change without notice.

TECHNICAL INFORMATION BULLETIN **model 88-03** **Data Terminal**

FEATURES

- ASCII or BCD codes.
- Alphanumeric English Language data entry from standard typewriter keyboard.
- All ASR 33 and 35 Teletype data communications features.
- Is an office typewriter when in local mode.
- Interfaces with telegraph lines or Bell Telephone Modem 103.
- Necessary buffering to accomplish character speed matching.



DESCRIPTION

Compat's Model 88-03 Data Terminal operates as a teletypewriter and provides alphanumeric data input/output capability, plus gives a hard copy of all messages—sent or received.

In offices where large volumes of data are handled daily, Model 88-03's combined with Compat's Model 88-50 Multi-Input Batch Terminal provide an economical means for data transmission to a central processing unit.

The Model 88-03 input/output device is a standard Selectric typewriter which facilitates data entry, and at the same time eliminates the need for costly operator training. Data is easily entered via the Selectric keyboard, which contains the normal complement of both alphanumeric and symbol characters.

All necessary buffering, control, and interface circuits are contained in the Model 88-03's electronics unit.

An appealing feature is that the Model 88-03 becomes an office typewriter by simply switching the remote/local switch to local.

INSTALLATION CHARACTERISTICS

Dimensions: 25 in. W x 6 in. H x 20 in. D.

Weight approximately 40 lbs.

Power Requirements: 115V, 60 cycle, single phase, 3 wire, 2 amps service minimum.

Environmental Requirements

Operational Temperature range 35° F to 95° F

Operational humidity range 20 to 80% humidity, relative.

Electronics Packaging: modem interface, translation and control logic, and power supply.

Mounting: desk top; portable from desk-top to desk-top.

First Availability – May 1970.

OPERATING CHARACTERISTICS

Telephone Service	–Teletype channel –Dial or lease line
Data Set	–Acoustic coupler –103A or equivalent with RS 232B interface
Code	–ASCII, Standard
Printing	–8 1/2 in. printing page –44 upper and lower case characters –12 characters per inch –Carriage return with Automatic - line feed –Index (line feed) –Back space –Tab
Transmission Speed	–Standard keyboard speeds
Receive Speed	–Up to 14.7 characters/second
Transmit to and Receive from	–Combat 88-03, Teletype ASR 33 IBM 2700 series, CC 270 (88-30), CC 204, (88-60), CC 205 (88-50)
Error Checking	–Vertical Parity
Options	–10 characters per inch –pin feed platen –red ribbon shift –13 inch printing page –BCD code

For complete information

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**PRICE
LIST**88-13 - BATCH DATA TERMINAL

	<u>PURCHASE PRICE</u>	<u>MONTHLY CHARGE</u> (1 yr. lease includes service)
88-13 Batch Data Terminal	\$ 8,400.00	\$ 240.00

OPTIONS

<u>Additional</u>	<u>ADD TO PURCHASE PRICE</u>	<u>ADD TO MONTHLY CHARGE</u>
ComFile Magazine Each	\$ 35.00	-----
<u>15" Platen</u>	\$ 320.00	\$ 12.50
Pin Feed Platen	\$ 85.00	\$ 5.00
Service Panel	\$ 525.00	\$ 13.00

PRICE LIST P.L. 102 A

EFFECTIVE 3/27/70

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This price list supersedes P. L. 102 and all other prices previously released and is subject to change without notice.

COMPAT 88-13 BATCH DATA TERMINAL



COMPAT  **CORPORATION**

177 Cantiague Rock Road, Westbury, New York 11590 (516) 622-1320 TWX 510-221-1621

COMPAT 88-13

MAGNETIC TAPE CONTROLLED BATCH DATA TERMINAL Compare These Features . . . AT ANY PRICE:

➡ Magnetic Tape Controlled Batch Data Terminal

- ☐ 1200 or 2000 Baud transmission rates
- ☐ Batch transmission
- ☐ 50,000 character data storage
- ☐ Bi-directional transmission
- ☐ All English language operations
- ☐ Unattended operation
- ☐ Validity check on all data
- ☐ Bi-directional retransmission upon error detection
- ☐ Selectric® keyboard
- ☐ Minimal operator training
- ☐ Correction capability during data entry
- ☐ Complete format control
- ☐ Transmission of unformatted English text
- ☐ Hard copy for all input and output
- ☐ Off-line printout of data received
- ☐ Office typewriter usage off-line
- ☐ Decorator-designed desk

The COMPAT 88-13 data terminal provides an effective and economical means of entering, storing, transmitting and receiving data at high speeds between a remote location and a Central Computer. Designed for applications where reliability in source data collection and batch transmission is required, the COMPAT 88-13 batch terminal also offers economical operation because high-speed transmission reduces phone line charges.

Operation is simple; so is operator training. The system operates in English language at all times. A modified Selectric® typewriter provides hard copy for all data input. With an easy-to-use auxiliary keyboard and the typewriter the operator uses English language commands, exclusively, to direct all terminal control functions. There are no other switches, dials lights or codes. Most typists are capable of assuming data input responsibility after only a short practice session.

In addition to the typewriter, the unit contains:

1. A 30-inch tape loop cassette for data storage with 50,000 character capacity (a very heavy day's work) with 0.5 second maximum data retrieval time. Readily accessible, the tape cassette is easily changed when desired. The tape drive is designed for high reliability with only three moving parts.
2. A digital controller that handles terminal control functions and formatting, and provides intermediate data storage during transfer operations.
3. Electronics to interface the terminal with an external modem, Bell Model 202C, 201A3, 202E. The modem must be indicated at time of order.

4) OPERATING FEATURES

Data Entry Input data typed in English on the keyboard simultaneously appears as hard copy and records on magnetic tape. Formats are prerecorded and stored on a format control track with each format identified. Upon addressing, the logic controller provides access to the proper format which assumes control of the operation. This format can be re-called as often as desired. When English language text is to be entered, the operator simply advises the controller by pressing a key on the auxiliary keyboard.

During the input operation, editing and error correction is achieved by immediate backspacing over incorrect data and reentering correct information.

Data Transmission Unattended data transmission and reception are accomplished on-line. Data transmits at 1200 or 2000 Baud block-by-block (1024 characters). Parity bits are assigned and, upon detection of transmission error, the entire block is retransmitted automatically.

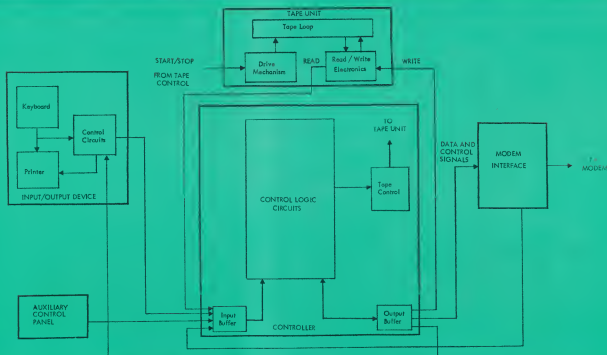
Upon completion of transmission, the terminal automatically switches to the receive mode and accepts data from the central computer which stores it for next-day print-out. The terminal automatically monitors for transmission errors and requests retransmission upon detection.



CAPABILITIES OF COMPAT TERMINALS

SUMMARY

Function	88-03	88-13	88-23
Selectric® Keyboard	Std	Std	Std
Hard copy, input/output	Std	Std	Std
50,000 character storage capacity	—	Std	Std
Bi-directional batch transmission	—	Std	Std
Bi-directional Inquiry mode	Std	Std	Std
Unattended send/receive	—	Std	Std
1200 or 2000 Baud send/receive	—	Std	Std
Format control	—	Std	Std
Editing, any-time	—	—	Std
Correction during entry	—	Std	Std
Error control	—	Std	Std
Automatic retransmission of erroneous blocks	—	Std	Std
Accounting capability	—	—	Opt
Second keyboard	—	—	Opt
Oversize carriage	Opt	Opt	Opt
Adding machine function	—	—	Opt
Ability to be re-programmed	—	—	Std
Format tape preparation	—	—	Opt



For complete information on COMPAT terminals and systems, please call our Systems Engineering Department.

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88-23 - BATCH DATA TERMINAL

	<u>PURCHASE PRICE</u>	<u>MONTHLY CHARGE</u> (1 yr. lease includes service)
88-23 Batch Data Terminal	\$12,600.00	\$360.00

OPTIONS

	<u>ADD TO PURCHASE PRICE</u>	<u>ADD TO MONTHLY CHARGE</u>
<u>Additional</u> <u>ComFile</u> <u>Magazine</u>	\$ 35.00	-----
<u>15" Platen:</u>	\$ 320.00	\$ 12.50
<u>Pin Feed Platen:</u>	\$ 85.00	\$ 5.00
<u>Punched Card Reader:</u>		
<u>Interface</u>	\$ 250.00	\$ 7.00
<u>Reader</u>	-----	\$ 87.00
<u>Compat 88</u>		
<u>Service Panel</u>	\$ 525.00	\$ 13.00
<u>88-II0 Data Central</u>		
88-II0A	\$ 11,400.00	\$ 312.75
88-II0B	\$ 13,400.00	\$ 385.25

PRICE LIST P. L. 103 A

EFFECTIVE 3/27/70

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COMPAT 88-23 BATCH DATA TERMINAL™

COMPAT  CORPORATION



COMPAT 88-23 —TM

COMPUTER-CONTROLLED BATCH DATA TERMINAL FOR UNMATCHED COST PERFORMANCE RATIO

BEST OPERATING PERFORMANCE

- ☐ Transmits over dial, dedicated or WATS lines on a polling or dial-up basis during lowest rate periods.
- ☐ High-capacity data storage (64,000 characters) requires only 4-6 minutes for transmission.
- ☐ Bi-directional validity checks with automatic retransmission of blocks upon error detection.
- ☐ Programmed formatting transmits only pertinent data.
- ☐ Any eight-level code with EBCDIC standard.

EASIEST TO OPERATE

- ☐ Strictly English language input.
- ☐ Minimal operator training.
- ☐ Standard typewriter keyboard.
- ☐ Formatting controlled by computer.
- ☐ Any-time editing or up-dating with 0.5 second access time to any stored data.
- ☐ Simultaneous production of hard copy.
- ☐ Automatic printout of received data off-line.
- ☐ An office typewriter during low traffic periods.

MOST ECONOMICAL

- ☐ High reliability for minimal downtime.
- ☐ Complete turn-key operation includes sophisticated ComEnt Software.TM
- ☐ Simple format generation for operational flexibility without hardware modifications.

COMPAT 88-23 BATCH DATA TERMINAL™

COMPAT 88-23 Data Terminal is a sophisticated send/receive machine providing unattended batch service capable of meeting the most demanding requirements.

The keyboard/printer is a standard typewriter. Any typist can handle the entire data collection, data preparation, data transmission and computer input/output functions. The system operates in English language at all times. Unattended transmission and reception modes include automatic error control. Data storage accommodates a heavy day's workload. Convenient data retrieval capability provides easy editing and up-dating.

INPUT/OUTPUT

A standard typewriter provides hard copy for all input and prints data received off-line under operator or program control. The unit operates quietly and functions as an office typewriter off-line. An auxiliary 12-key keyboard provides directions to the terminal. The entire operation of the terminal is controlled by these keyboards using exclusively English language commands. There are no other switches, dials, lights or codes.

English language text or pertinent data on preprinted forms are operator-entered and recorded on tape. Normal typewriter carriage size is 11-inches with 15-inches optional.

MAGNETIC TAPE STORAGE

Data storage is provided by ComFile Random Access Magnetic Tape Magazine.™ Highly reliable, this unique device has only three moving parts. The tape is a continuous loop in a magazine with 0.5 sec maximum data retrieval time. Storage capacity for the standard loop is 64,000 characters.

COMPUTER

The terminal controller is a COMPAT stored-program computer containing state-of-the-art components. This compact 4K x 16 core memory unit, with a powerful instruction set, is responsible for the broad flexibility of the terminal. The computer is programmed to accommodate operational changes without hardware modification and provides the full English language capability. The unique ComENT Software™ provides the ability to prepare customized formats making input simple...controlling all operations...accepting only specified data within a field to reduce possibility of errors.

While the terminal normally transmits EBCDIC code, suitable software enables it to function with any eight level code.

MODEM

Electronics to interface with an external modem are supplied for either Bell Telephone Modem Model 202C, 201A3, 202E. The modem to be used must be indicated upon ordering.

DESK

Housing for the terminal is a decorator-designed, double-pedestal desk. The keyboard is at standard typewriter height with the auxiliary keyboard positioned to the right. Hinged front and back panels on both pedestals provide easy service access to the tape drive and magazine or terminal electronics.

Desk styling blends harmoniously with modern office decor. Normally supplied in blue with a Formica® top of walnut, other color combinations are available if specified upon ordering.

OPERATIONAL FEATURES

Editing — Data editing and updating is readily accomplished. Less than 0.5-seconds after call-out of desired message number, the terminal commences print-out of requested data. Upon reaching the appropriate area, the operator signals the terminal and types correct copy; erroneous information is simultaneously erased from the tape.

Error Control — The computer assigns and checks vertical parity bits for each character and horizontal parity characters for each block. It automatically retransmits blocks in which the CPU detects a transmission error. Similarly, the terminal checks processor output and requests retransmission upon error detection.

Format Control — All input is in English language. Computer control provides complete formatting flexibility with any number of varied formats generated and entered into memory for operator activation. Upon proper command prior to information input, the terminal assumes control, leads the operator through the data-entry process, and tape-records all pertinent data. Recorded formats can be completed in any random sequence.

Inquiry Mode — An inquiry mode is available for on-line conversation with the central processor.

**ComEnt™ Software
makes any typist
a programmer**

COMPAT special ComEnt™ compiler and data entry/text editing software package makes the 88-23 the easiest to use and most flexible terminal available. Complete format control plus complete editing capability with printout/overstrike/addition/deletion methods. Fields may be restricted to specific ranges, characters or values. 30 separate field designations, unlimited field titles. All English language commands.



CAPABILITIES OF COMPAT TERMINALS

SUMMARY

Function	88-03	88-13	88-23
Standard Typewriter Keyboard	Std	Std	Std
Hard copy, input/output	Std	Std	Std
64,000 character storage capacity	—	Std	Std
Bi-directional batch transmission	—	Std	Std
Bi-directional Inquiry mode	Std	—	Opt
Unattended send/receive	—	Std	Std
1200 or 2000 Baud send/receive	—	Std	Std
Format control	—	Std	Std
Editing, any-time	—	—	Std
Correction during entry	—	Std	Std
Error control	—	Std	Std
Automatic retransmission of erroneous blocks	—	Std	Std
Oversize carriage	Opt	Opt	Opt
Ability to be re-programmed	—	—	Std

ComFile™ —

the COMPAT proprietary random access tape magazine—gives 64,000 characters of data storage with less than 0.5 sec. retrieval time for editing or up-dating. Keyboard data entry accepted with full format control provided. Transmits unattended at high speed with automatic error control and retransmission upon error detection. Computer-originated input is stored for printout.

For complete information on COMPAT terminals and systems, please call our Systems Engineering Department.

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177 Cantiague Rock Road, Westbury, New York 11590 (516) 822-1320 TWX 510-221-1821